

System Design

For

Pharmacy Management & Medicine Checker

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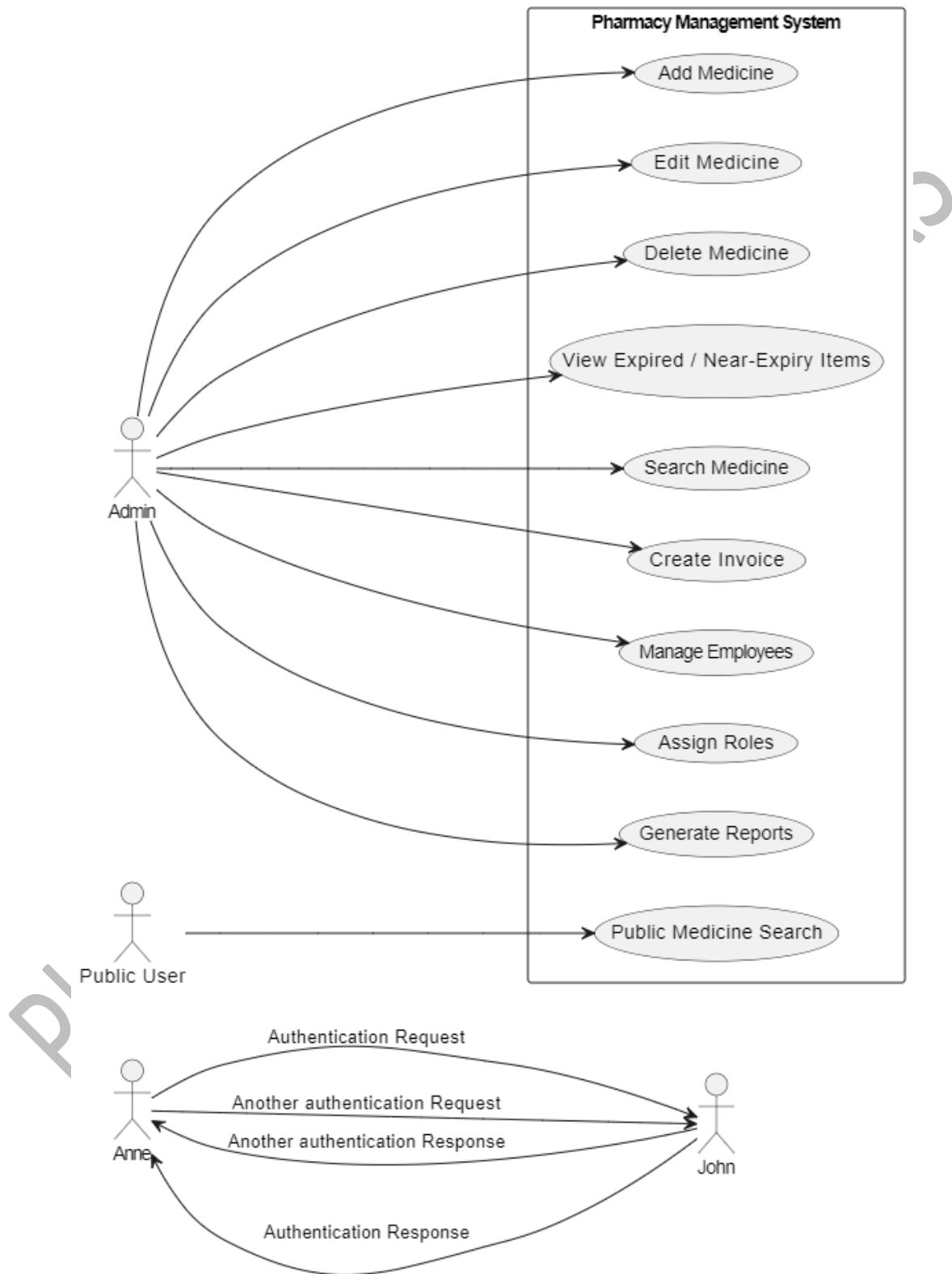
Submitted to:

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Contents

1- Use Case for the Pharmacy system.....	2
2- Tabular Description for the Use Case.....	3
Pharmacy Management System: Manage Medicines	3
Pharmacy Management System: Sales and Invoice Management	3
Pharmacy Management System: Reports Management	3
Pharmacy Management System: Public Medicine Search.....	4
3- Context Model for the Pharmacy Management.....	4
4- Activity Diagram for the Pharmacy Management.....	5
5- Class Diagram for the Pharmacy Management.....	6

1- Use Case for the Pharmacy system.



2- Tabular Description for the Use Case.

Pharmacy Management System: Manage Medicines

Actors	Admin
Description	Manage medicines in the system (add, edit, delete, search, view expired/near-expiry)
Data	Medicine details, expiry dates
Stimulus	Admin selects medicine management functions
Response	Medicines are added, updated, deleted, or displayed
Comments	Ensures accurate inventory control

Pharmacy Management System: Sales and Invoice Management

Actors	Admin
Description	Handle medicine sales and generate invoices
Data	Medicine list, quantities, prices, total amount
Stimulus	Admin creates a new invoice
Response	Invoice is generated and stock is updated
Comments	Requires sufficient stock

Pharmacy Management System: Reports Management

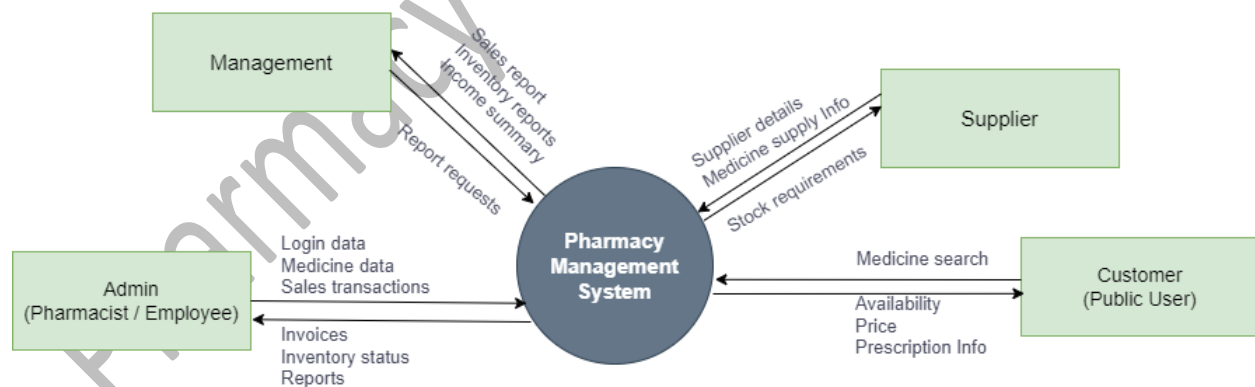
Actors	Admin
Description	Generate reports for sales and inventory
Data	Sales data, inventory data
Stimulus	Admin selects generate reports
Response	Reports are generated and displayed
Comments	Supports decision making

Pharmacy Management System: Public Medicine Search

Actors	Public User
Description	Search for available medicines without authentication
Data	Medicine name
Stimulus	User enters medicine name
Response	Search results are displayed
Comments	Limited information is shown

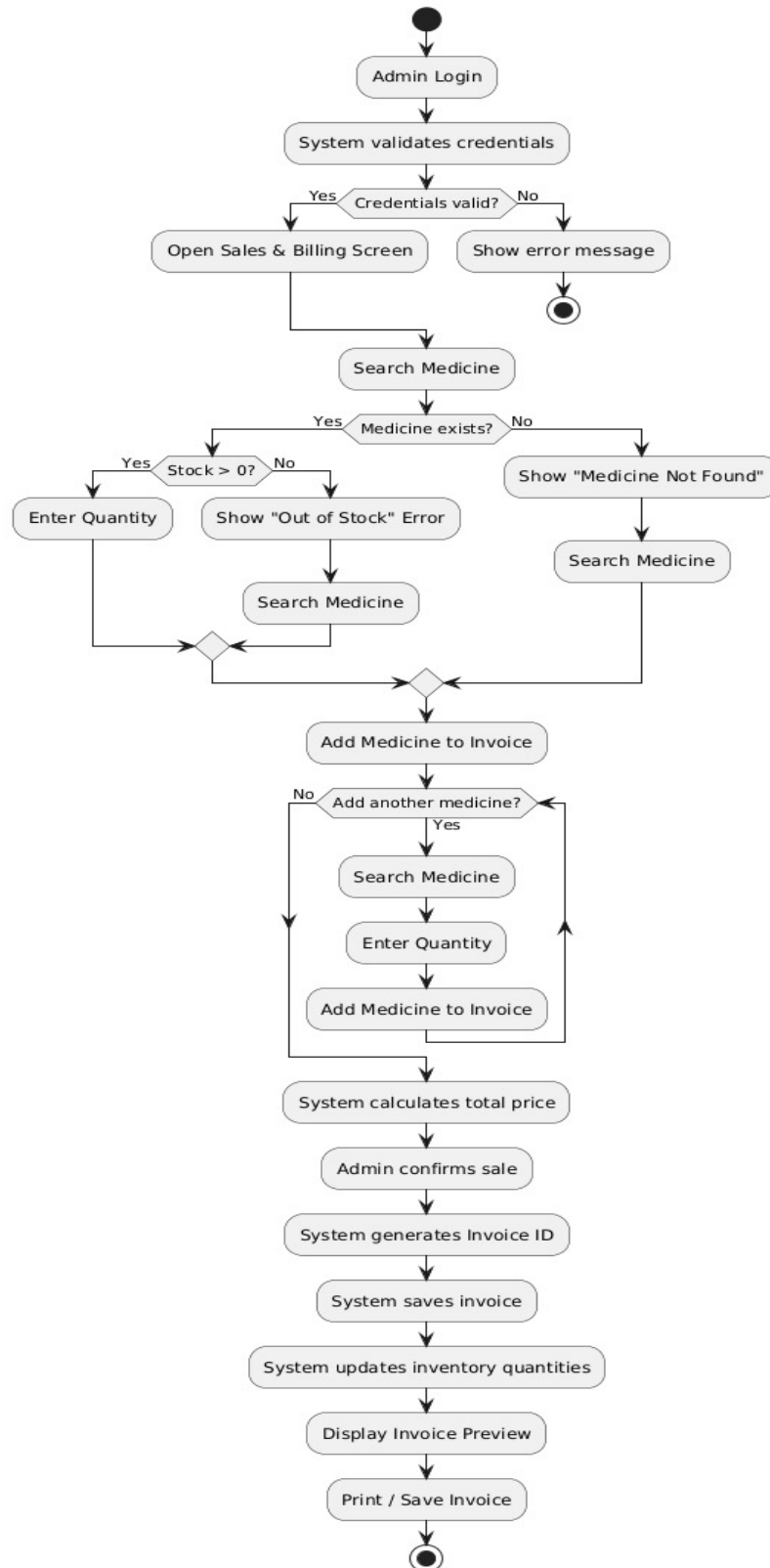
3- Context Model for the Pharmacy Management.

Context Diagram: Pharmacy management system

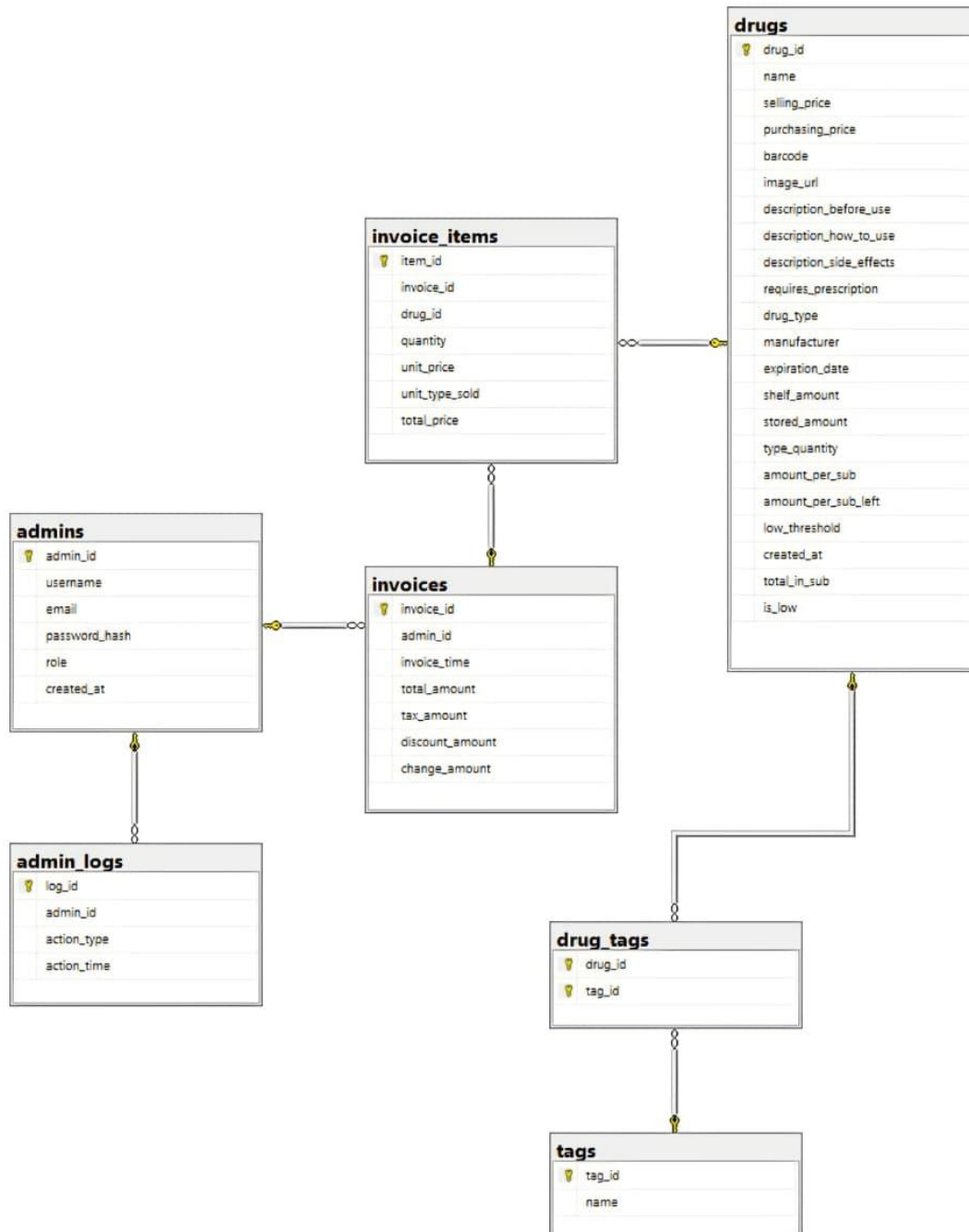


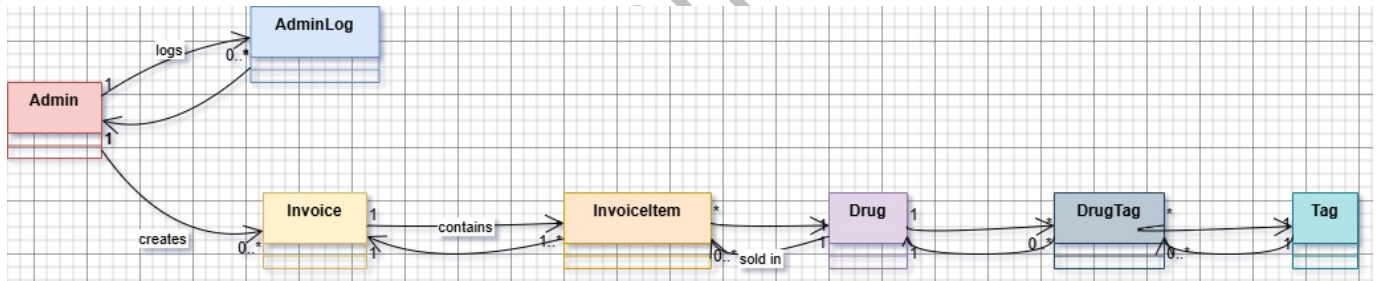
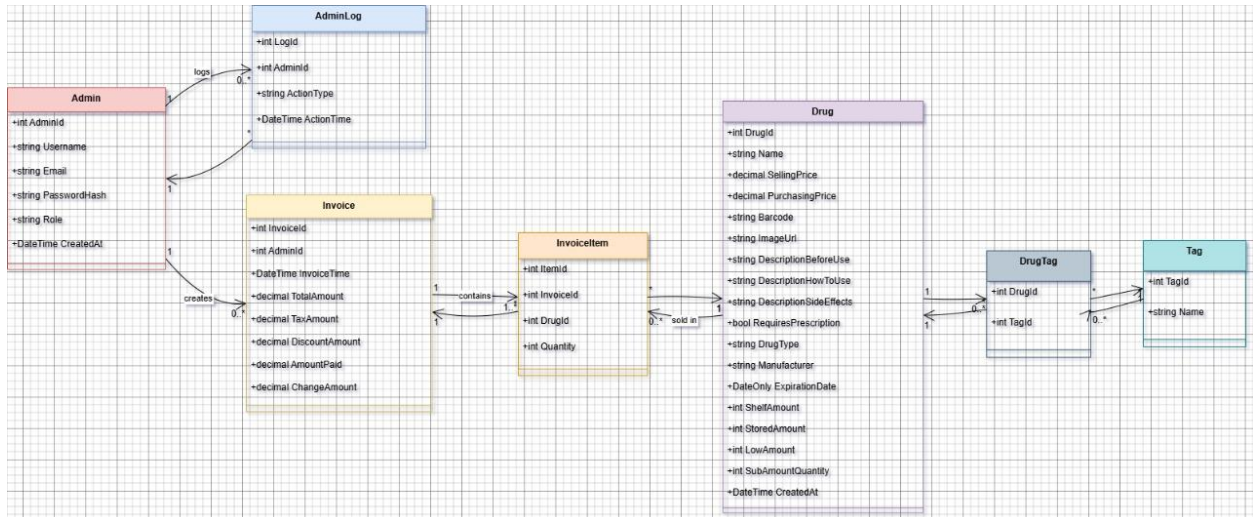
4- Activity Diagram for the Pharmacy Management.

Pharmacy Management System - Medicine Sales Activity Diagram



5- Class Diagram for the Pharmacy Management.





Thank you so much for your interesting and attention.